

Extensible multilayer tubular structure and production method therefor

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
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-  US2006053618 (A1)
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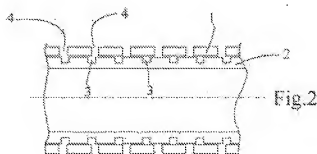
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Cited documents:

-  US6261320 (B1)
-  US5630806 (A)
-  US6383214 (B1)

Abstract of EP 1391184 (A1)

An expandable multi-layer tubular structure, is new. An expandable multi-layer tubular structure capable of radial expansion, has two or more layers (1, 2), at least one of which has surface recesses (3), while another has radial perforations (4), with both recesses and perforations set at 50 - 60 micron intervals. The surface recesses can be located on the inner or outer surface of the layer, and can be filled with a medication. The different layers can be made from Ta, 316L steel or Elgiloy (40%), from a Pt-Ir alloy or other biocompatible metal or alloy. After forming the surface recesses the different layers are sanded or plasma treated, hot laminated in a vacuum, formed into a tube, welded and cut to length.



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